

**AMENDMENT AND PRESENTATION OF CLAIMS**

Please replace all prior claims in the present application with the following claims, in which claims 1-10 are canceled without prejudice or disclaimer, and claims 11-20 are newly presented.

1-10. (Canceled)

11. (New) A living body measuring sensor for detecting a living body electric signal from a body surface of a measuring subject, comprising  
a conductive electrode capacitance -coupled on said body surface of said measuring subject via an insulating member; and  
a living body electric signal extractor circuit for outputting said living body electric signal from said conductive electrode with a low impedance.

12. (New) The living body measuring sensor as claimed in Claim 11, wherein said conductive electrode is a metal electrode.

13. (New) The living body measuring sensor as claimed in Claim 11, wherein said conductive electrode is a conductive fiber.

14. (New) The living body measuring sensor as claimed in Claim 11, wherein said insulating member is a thin cloth.

15. (New) The living body measuring sensor as claimed in Claim 11, wherein said living body electric signal extractor circuit includes an impedance

converter circuit whose input is a high input impedance and output is a low impedance.

16. (New) The living body measuring sensor as claimed in Claim 15, wherein said living body electric signal extractor circuit includes a filter circuit for extracting a frequency component including said living body electric signal from an output of said impedance converter circuit.

17. (New) The living body measuring sensor as claimed in Claim 15, wherein said living body electric signal extractor circuit includes an amplifier circuit for amplifying said living body electric signal outputted from said impedance converter circuit using a high gain.

18. (New) The living body measuring sensor as claimed in Claim 11, further including a high permittivity member to be provided between said conductive electrode and said insulating member.

19. (New) The living body measuring sensor as claimed in Claim 18, wherein said high permittivity member is a barium titanate porcelain.

20. (New) A living body measuring method for extracting a living body electric signal from a body surface of a measuring subject using a living body measuring sensor including a conductive electrode mounted on said body surface of said measuring subject via an insulating material, wherein

said living body electric signal is outputted with a low impedance by capacitance coupling and thereby mounting said living body measuring sensor on said body surface of said measuring subject.